

Cybersecurity @E-Control

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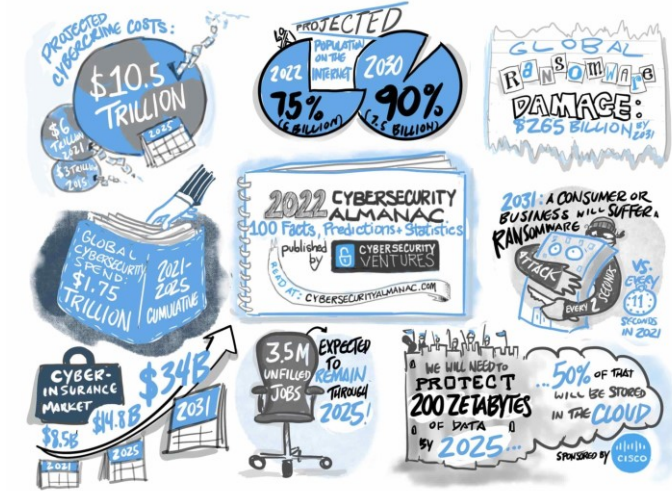
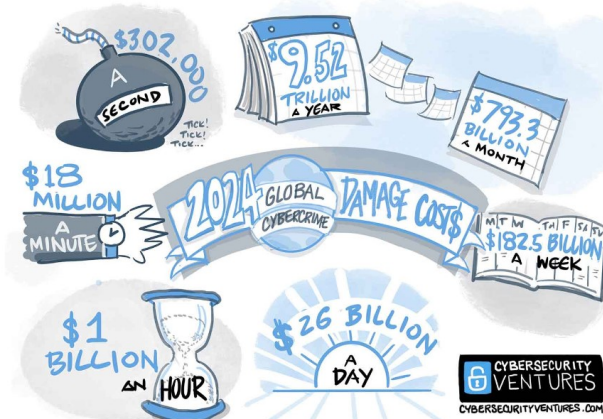
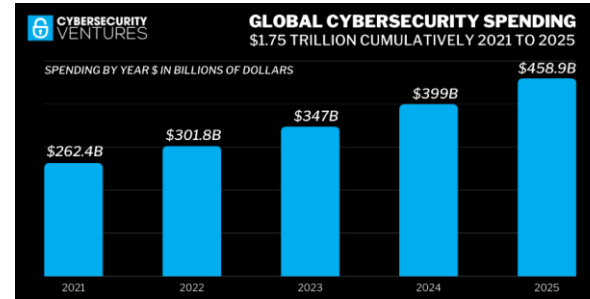


Cybersecurity – Trends & Statistic



Cyber trends to watch out for in 2024

1. Attacks Against Cloud Services
2. Rise in IoT Devices
3. Integration of AI and Machine Learning
4. Zero Trust Cyber Security
5. Multi-factor Authentication (MFA)
6. Continuously Evolving Ransomware
7. Rise in Insider Threats
8. Explosion of BYOD and Mobile Device
9. Growing IT Skills Gap
10. Increasing Threat of Deepfakes
11. International State-sponsored Warfare



Cybersecurity – maturity level



Out of 100 companies, how many could you hack?

100!

Aron Molnar
Winner European Cyber Security Challenge 2015



Low maturity level
15 min / 2 years unknown

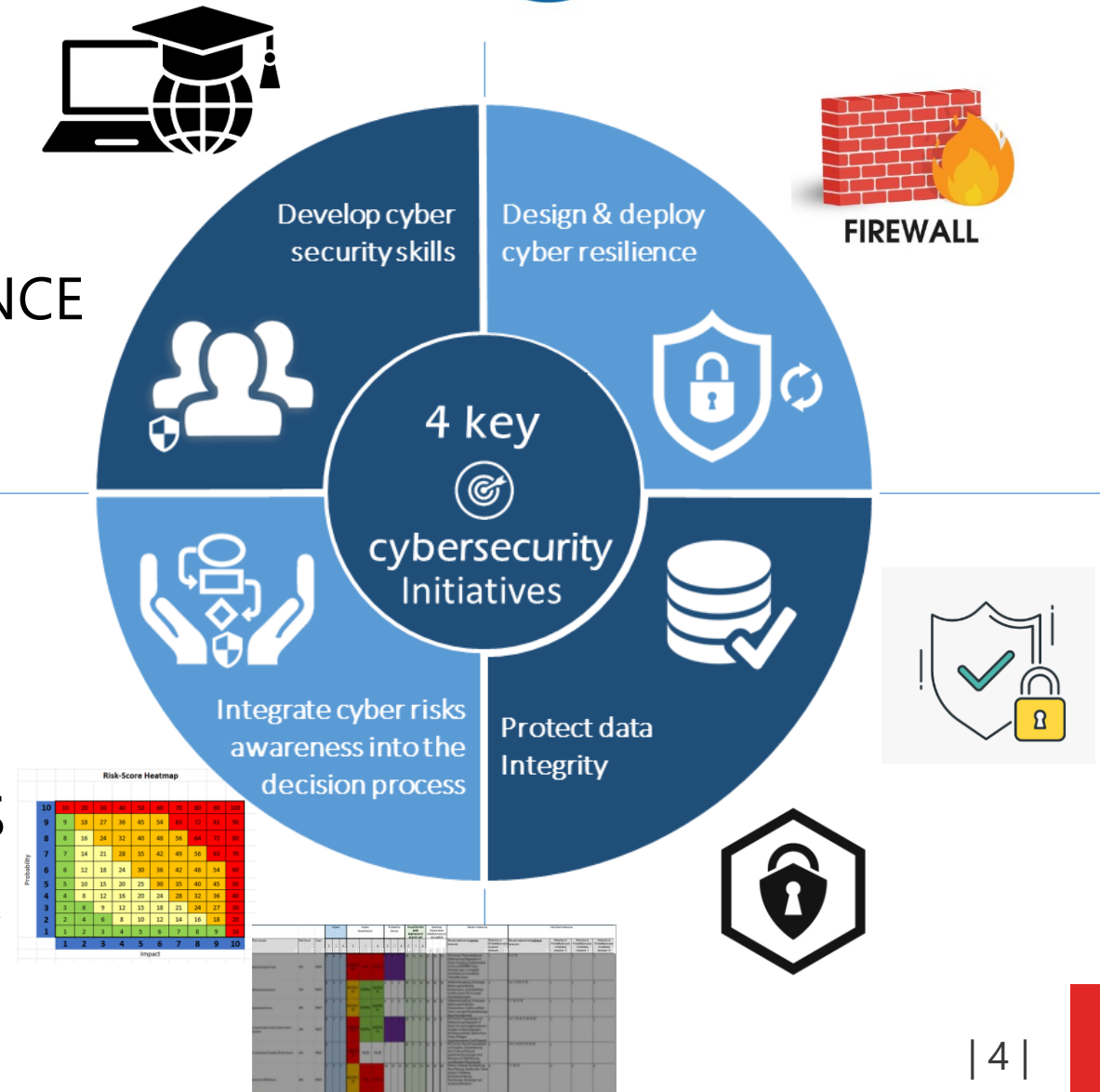
High maturity level
2 year / 15 min unknown

Cybersecurity Initiatives



4 Key Initiatives @ E-Control:

- DESIGN AND DEPLOY CYBER RESILIENCE
- DEVELOP CYBERSECURITY SKILLS
- PROTECT DATA INTEGRITY
- INTEGRATE CYBER RISKS AWARENESS



Success Factors



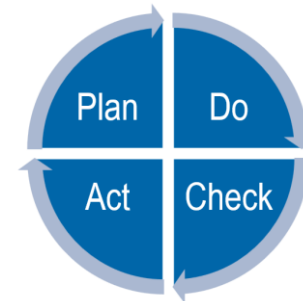
Information Security Management System:

- Confidentiality → only the right persons should process data
- Integrity → data needs to be correct and valid
- Availability → data needs to be available at the right time



Risk Management Process

- All Management Systems are risk based
 - Highest risks are treated first
 - Classification
 - Adequat measures
- Continual Improvement Process (CIP) – PDCA



Some tools to ensure security



- Cyberark (PAM) for administrative accounts
- Regular external security audits
- Regular SW patches on all assets
- Sandbox
- Firewall
- URL-Filter
- 802.1x Network Security
- Splunk/ELK/Security Advisor
- Jira/Confluence/OTRS
- Printer with Token-Access
- Physical access with Token
- CCTV
- Nextcloud secure file sharing
- Email security
 - Digital Signature
 - Checkpoint Sandblast
- **Client Security**
 - Two-Factor Authentication (MFA)
 - Virusscanner
 - VPN Client
 - App-Whitelisting
 - Windows Security Baseline
 - Keepass
 - Privacy Screen
- **Smartphone Security**
 - Managed with MDM
 - VPN connection
 - Remote wiping
 - App Control
 - Separation of private and business data
 - Privacy Screen



**THANK YOU
FOR YOUR ATTENTION!**

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